

# **2004 PEO/SYSCOM Conference**

## **Component Acquisition Executives Panel: Systems Engineering – Our Challenges**

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**Assistant Secretary of the Army**  
**(Acquisition, Logistics and Technology) and**  
**Army Acquisition Executive**  
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# **Why Now? Why Again?**

**DoD Systems Engineering was not Removed by One Thing. It's Value was Diminished by Several Reforms.**

- **The Removal of Military Standard Requirements Eliminated the Systems Engineering (SE) MIL STD**
- **Acquisition Reform Eliminated SE From DoD 5000**
- **Total System Performance Responsibility Transferred SE to the Contractor**



# **A Definition**

**Systems Engineering Is a Standardized, Disciplined Management Process for Development of System Solutions That Provides a Constant Approach to System Development in an Environment of Change and Uncertainty. It Also Provides for Simultaneous Product and Process Development, As Well As a Common Basis for Communication.**

# Elements/Gain

**Rigorous processes and practices centered on:**

- **Requirements Development, Management, and Control**
- **Project Planning**
- **Project Monitoring and Control**
- **Supplier Agreement and Management**
- **Measurement and Analysis**
- **Process and Product Quality Assurance**
- **Configuration Management**
- **Risk Management**

**Gain: Consistent, Systemic Method from Requirements to Sustainment**



# Challenges

## **Systems Engineering:**

- **Does Not Directly Help Us Politically**
- **Does Not Directly Stabilize Funding**
- **Not Currently Part of the JCIDS/Requirement Process**
- **Does Not Clearly Address Systems of Systems**



**Beyond Systems Engineering?**